**DRUGS UTILIZED WITH EACH PROCEDURE:**

WEIGHT OF ANIMAL: 42.5kg

VOLUME (ML) =

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Drug** | **Concentration** | **Dose Rate and Route** | **Calculations & Amt Given** | **Withdrawal time** | **Indications** |
| Banamine (Flunixin  Meglumine) | 50mg/ml | 1.1mg/kg | Amount given: 0.9ml | Milk: 72 hours  Meat: 4 days | NSAID - analgesia |
| Xylazine 2% | 20mg/ml | 0.025mg/kg | Amount given: 0.05ml | Milk - 14 days  Meat – 48 hours | Sedative |
|  |  |  |  |  |  |
| **Caudal Epidural Nerve Block** | | | | | |
| Lidocaine 2% | 20mg/ml | 0.2mg/kg | Amount given: 1ml | Milk: 24 hours  Meat: 1 day | Local anaesthetic |
|  |  |  |  |  |  |
| **Intravenous Regional Anaesthesia (IVRA)** | | | | | |
| Lidocaine 2% | 20mg/ml | 2.5mls | Amount given: 2.5ml diluted to 5ml with saline | Milk: 24 hours  Meat: 1 day | Local anaesthetic |
|  |  |  |  |  |  |
| **Proximal Paravertebral Nerve Block** | | | | | |
| Lidocaine 2% | 20mg/ml | 5mg/kg  (1/2 TD) | Amount given: Total injections of 3 sites (Cranial & caudal L1, caudal L2) each site given total Lidocaine of 2.5ml diluted up to 5ml with saline  Total amount given for block: 7.5mls | Milk: 24 hours  Meat: 1 day | Local anaesthetic |
|  |  |  |  |  |  |

NB: The toxic dose for Lidocaine 2% is 10mg/kg

Calculation for toxic dose of Lidocaine =

Therefore, the total amount of Lidocaine that can be injected needs to be less than 21.25ml.